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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/356,327	07/16/99	019	ALVAREZ, R 2162	04/16/01
First Named Applicant	WONG 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION  
INTEGRATED BUSINESS-TO-BUSINESS WEB COMMERCE AND BUSINESS AUTOMATION SYSTEM

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 032151-013	705-026.000	F03	UTILITY	YES	\$620.00	07/16/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

**II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.**

**III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.**

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

4-16-01

# Notice of Allowability

Application No.  
09/356,327

Applicant(s)  
Charles Wong

Examiner  
RAQUEL ALVAREZ

Group Art Unit  
2162



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to 3/27/01

☒ The allowed claim(s) is/are 97-108, 114-118, and 122-124

☐ The drawings filed on \_\_\_\_\_ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 4

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

## Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☒ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

ERIC W. STAMBER  
PRIMARY EXAMINER

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*Exam modified*  
*J. Callan*  
*4-10-01*

### DETAILED ACTION

1. Claims 97-108, 114-118 and 122-124 are presented for examination.

#### Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for the following examiner's amendment was given in a telephone interview with Joseph P. O'Malley, registration number 36,228.

The application has been amended as follows:

Claim 96 has been canceled.

In claim 118, line 1 "The apparatus of claim 29" has been changed to-the system of claim 117-.

#### Allowable Subject Matter

3. Claims 97-108, 114-118 and 122-124 are allowed.

The present invention comprises a web business to business automation system that uses a computing model based on a single integrated database management system. It allows integration of the business to be streamlined. Vendor invoices and payments are handled using the database management system and both the customers and vendors can view status-invoices, credit(from returns) via the web.

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The Examiner asserts that the closest prior art were: Junger(6,085,172), Sellers(5,311,438), Sitarski(5,237,497) and publication titled, "Business to Business on the Internet: Using the web to cut costs and build sales"(hereinafter Business to Business on the Internet".

With respect to claim 97, Junger disclosed a method of processing customer service request relating to a product(abstract). including an automated workflow process for customer service requests, including returns, that uses a database and a web-enabled database management system(figures 2 and 3); a customer making a purchase form the merchant(i.e. the returns are on purchases that a customer makes to a merchant)(prior art figure 1, items 3A-3B) and via the web in a self-help manner, causing a customer-service/return record to be created in a database to be processed by the merchant. Junger failed to disclosed the specific limitations of claim 97 which recites **"an automated workflow process for customer service requests, including returns, that uses a database and a web-enabled database management system, the customer via the web in a self-help manner causes a customer service return record to be created in a database, wherein the customer-service return record is created related ro a pre-existing database record and wherein for at least some customer-service/return record, an automated workflow process reverses a previously executed workflow process"**

With respect to independent claims 100, 107, 114, 116, 117, 122 and 124, Seller disclosed a business-to-business commerce(i.e. the user represents a plant( business) which has a formal agreement with a vendor to provide specified quantity of material at agreed-upon prices) therefore

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a business to business process is taking place from a plant to a vendor(col. 70, lines 30-37).

Sistarki disclosed storing within a database, in accordance with a single database schema, all current records required to perform a full spectrum of business functions throughout a life cycle of each product item(col. 5, lines 59- col. 6, lines 1-17); and limiting a number of persons for which current records are stored within the database(col. 5, lines 33-40).

Business to Business on the Internet disclosed a method of establishing an end-to-end business-to-business commerce system for the sale, or sale and service, of product items, using a web-enabled relational database management system running on a server platform(entire document). Enabling a full spectrum of business functions to be performed remotely via the web(i.e. the company posts its products on electronic catalogs and provides online ordering and customer support via the net. It also sells Internet products and services which can be delivered via the net, such as software for intrusion detection and firewalls)(page 1, paragraph 4).

The references neither alone or in combination failed to teach the limitations of claims 100-105, which recite” **a web-based business-to-business electronic commerce system including a database and a web server wherein transaction information is organized into self-contained workflow units having a predetermined format and each including demand information for a particular party, the predetermined format defining a command demand document enabling demand information to be capsuled for a range of differentiated business transaction of different complexity”.**

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The references neither alone or in combination failed to teach the limitations of claims 107-108, which recite “ **applying an algorithm whereby items are classified, marked and displayed according to classification for performing a particular business functions**”.

The references neither alone or in combination failed to teach the limitations of claims 114-115, which recite “**establishing an end-to-end business commerce in which product items are sold, using a web-enabled relational database management system running on a server platform by providing within a single database automated system data and methods spanning multiple business functions, the data being stored in accordance with a single database schema; providing a user interface that allows open navigation by a user between information pertaining to different business domains, and, for each of multiple business functions, displaying within an integrated decision making environment complete information required to perform that business function; and dynamically defining multiple virtual business departments by, for each of multiple groups of people, assigning substantially similar access privileges to each person within the group, wherein the access privileges of different groups are substantially different**”.

The references neither alone or in combination failed to teach the limitations of claim 116, which recite, “ **identifying multiple modules of the software; and via web administration, producing a software configuration in which selected ones of the modules are enabled or disabled; wherein the software producing a workscope/workflow are structured display pf complex database records each comprising multiple lines of text and pertaining to both a**

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**first party to a business transaction and a second party to the business transaction, the structured display constituting an integrated decision-making environment for a particular business function”.**

The references neither alone or in combination failed to teach the limitations of claims 117-118, which recite, “ **a server platform running a web-enabled relational database management system; stored in the database, an item table comprising item records, each item record containing business domain-specific fields pertaining to a plurality of the following business domains: products, payments, performance and personnel; whereby, once item information has been input and committed, it is immediately available for viewing by a multiplicity of information workers, different information workers having responsibility for different ones of said domains”.**

The references neither alone or in combination failed to teach the limitations of claims 122-123, which recite “ **integrating within a single database business information spanning multiple business domains and formalizing a decision making -algorithm that uses information spanning multiple business domains which presents to the user results of the decision-making algorithm in response to a user action”.**

The references neither alone or in combination failed on teach the limitations of claim 124, which recite,” **interaction flows between business function enabled by the database which contains business rules for dealing with different business partners, the business rules**

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**including rules governing more than one of the business function affecting the sequentially interacting flows”.**

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Points Of Contact**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raquel Alvarez whose telephone number is (703) 305-0456. The examiner can normally be reached on Monday to Friday from 9:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric W. Stamber, can be reached on (703) 305-8469. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-0040.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

A handwritten signature in dark ink, appearing to read 'R.A.', is written over a horizontal line.

Raquel Alvarez  
Patent Examiner, AU 2162

April 11, 2001